

<b>Notice of Allowability</b>	Application No.	Applicant(s)
	09/432,883	RAWSON ET AL.
	Examiner	Art Unit
	Phuongchau Ba Nguyen	2665

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to brief 7-6-04 & interview 10-5-04.

2.  The allowed claim(s) is/are 1-21.

3.  The drawings filed on 02 January 1999 are accepted by the Examiner.

4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)  All    b)  Some\*    c)  None    of the:

1.  Certified copies of the priority documents have been received.

2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.

(a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached  
1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.

(b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of  
Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- 1.  Notice of References Cited (PTO-892)
- 5.  Notice of Informal Patent Application (PTO-152)
- 2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 6.  Interview Summary (PTO-413),  
Paper No./Mail Date 10-5-04.
- 3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
- 7.  Examiner's Amendment/Comment
- 4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
- 8.  Examiner's Statement of Reasons for Allowance
- 9.  Other \_\_\_\_\_.

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ms. Kuo on 10-05-04.

2. The application has been amended as follows:

**Claim 1, line 5; Claim 10, lines 5; Claim 15, line 6:**

“said local loops” had been changed to

----a plurality of local loops connecting said plurality of locations to  
central office----

**Claim 1, line 18:**

“said IDSL interface or said another interface” had been changed to

---- one of said IDSL interfaces or one of said another interfaces----

**Claim 3, lines 2-3:**

“each of ADSL interfaces receive” had been changed to

----each ADSL interface receives----

**Claim 4, line 3:**

“said ADSL interfaces” had been changed to ----an ADSL interface----

**Claim 4, line 4:**

“said DSL interfaces” had been changed to ---an IDSL interface---

**Claim 5, line 4:**

“said shared” had been changed to ----a shared----

**Claim 5, line 5:**

“said ADSL interfaces or said IDSL interfaces” had been changed to  
---- ADSL interface or an IDSL interface ----

**Claim 12, line 2:**

“each of said ADSL interfaces receive” had been changed to  
----each ADSL interface receives----

**Claim 13, line 3:**

“said ADSL interfaces” had been changed to ----an ADSL interface---

**Claim 13, line 4:**

“said IDSL interfaces” had been changed to ---an IDSL interface---

**Claim 14, line 5:**

“said ADSL interfaces or said DSL interfaces” had been changed to  
----an ADSL interface or an IDSL interface----

**Claim 16, lines 4-5:**

“said ADSL interfaces” had been changed to ---each ADSL interface---

**Claim 17, line 3; Claim 18, lines 4-5:**

“said ADSL interfaces” had been changed to ----an ADSL interface---

**Claim 17, line 6; Claim 18, line 5:**

“said IDSL interfaces” had been changed to ---an IDSL interface---

***Allowable Subject Matter***

3. The following is an examiner’s statement of reasons for allowance:

Regarding claims 1-21, the prior art fails to teach or suggest a telecommunication network for providing high speed remote access from a plurality of locations to a plurality of remote targets, wherein each of said plurality of locations is connected to a central office by a local loop, said telecommunication network comprising “an access multiplexor having a plurality of ISDN digital subscriber loop (IDSL) interfaces for interfacing with any of local loops using an IDSL technology, said IDSL technology supporting a bandwidth of 128 Kbps or 144 Kbps, said access multiplexor having a plurality of another interfaces for interfacing with at least some of said local loop using another DSL technology, wherein said another DSL technology supports a bandwidth greater than 128 Kbps or 144 Kbps,” in combination with other limitations, as specified in the independent claims 1, 10, 15.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuongchau Ba Nguyen whose telephone number is 571-272-3148. The examiner can normally be reached on Monday-Friday from 10:00 a.m. to 2:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu can be reached on 571-272-3155. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*PN*  
Phuongchau Ba Nguyen  
Examiner  
Art Unit 2665

DUCHO  
PRIMARY EXAMINER

*Duchotro*  
10-14-04